FIG. 1

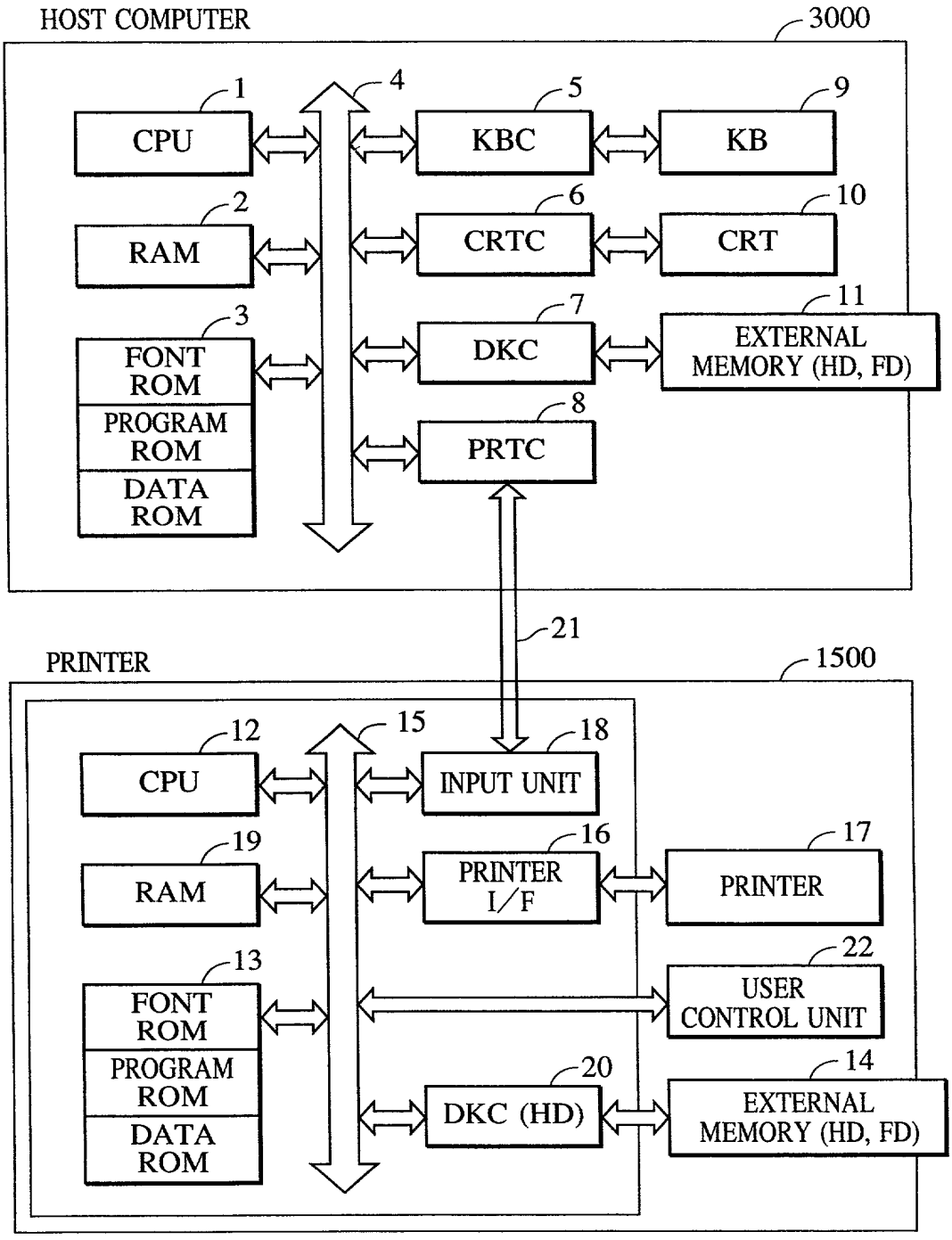

HOST COMPUTER
3000
1
CPU
2
RAM
3
FONT ROM
PROGRAM ROM
DATA ROM
4
5
KBC
6
CRTC
7
DKC
8
PRTC
9
KB
10
CRT
11
EXTERNAL MEMORY (HD, FD)
21
PRINTER
1500
12
CPU
19
RAM
13
FONT ROM
PROGRAM ROM
DATA ROM
15
18
INPUT UNIT
16
PRINTER I/F
17
PRINTER
22
USER CONTROL UNIT
20
DKC (HD)
14
EXTERNAL MEMORY (HD, FD)

FIG. 2

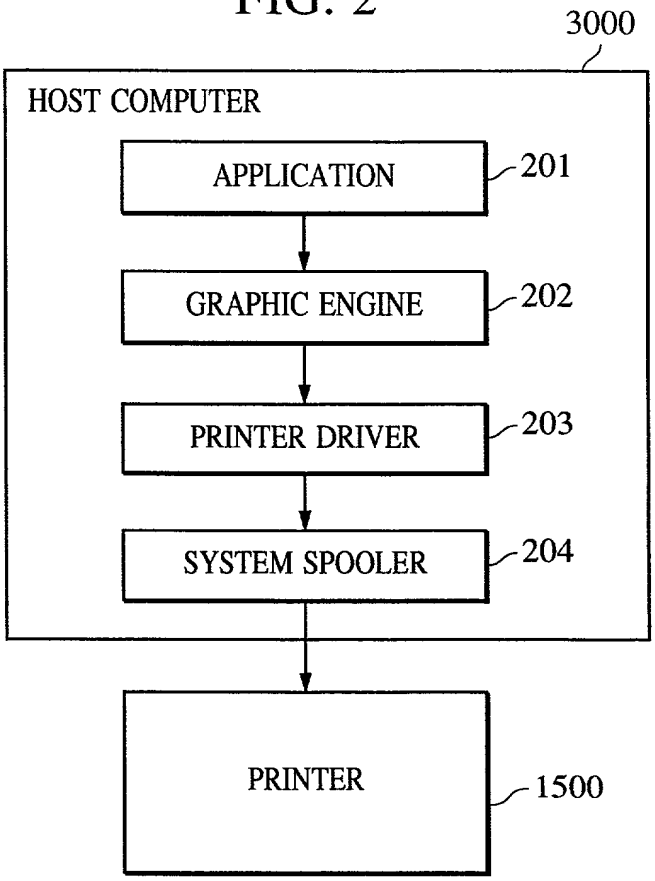

3000
HOST COMPUTER
APPLICATION
201
GRAPHIC ENGINE
202
PRINTER DRIVER
203
SYSTEM SPOOLER
204
PRINTER
1500

FIG. 3

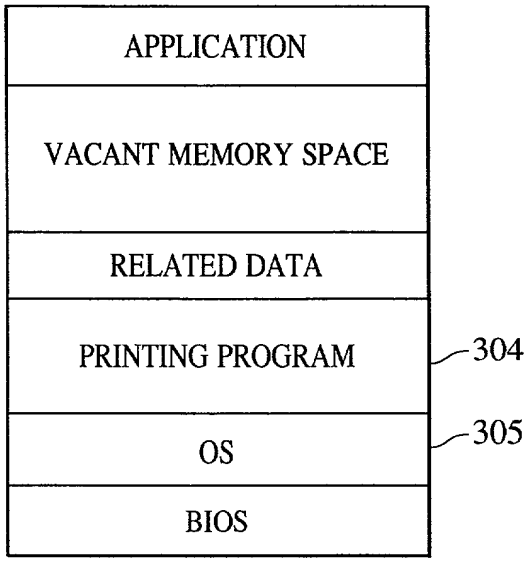

APPLICATION
VACANT MEMORY SPACE
RELATED DATA
PRINTING PROGRAM
304
OS
305
BIOS

FIG. 4

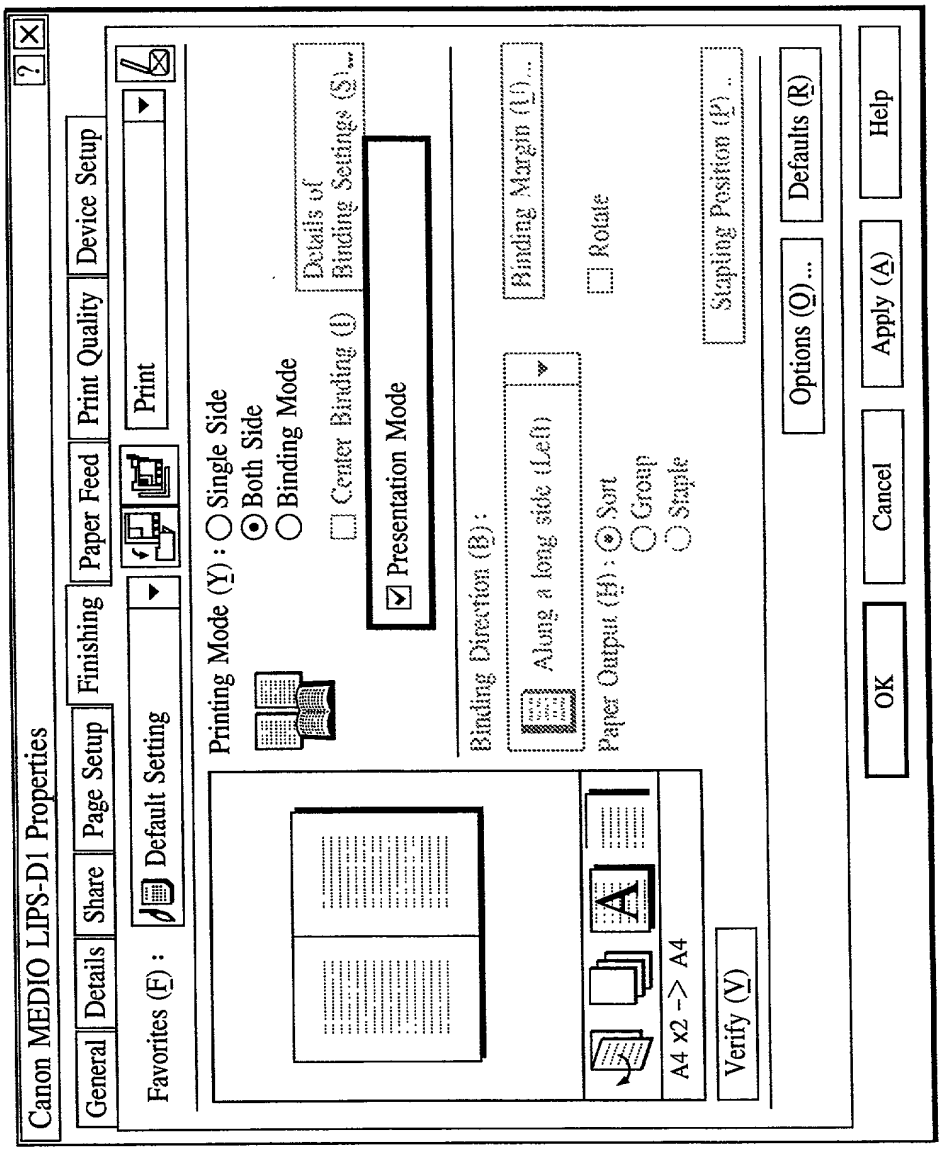

Canon MEDIO LIPS-D1 Properties
General
Details
Share
Page Setup
Finishing
Paper Feed
Print Quality
Device Setup
Favorites (F) :
Default Setting
Print
Printing Mode (Y) : Single Side
Both Side
Binding Mode
Center Binding (I)
Details of Binding Settings (S)...
Presentation Mode
Binding Direction (B) :
Along a long side (Left)
Binding Margin (U)...
Paper Output (H) : Sort
Group
Staple
Rotate
A4 x2 -> A4
Stapling Position (P)...
Verify (V)
Options (O)...
Defaults (R)
OK
Cancel
Apply (A)
Help

FIG. 5

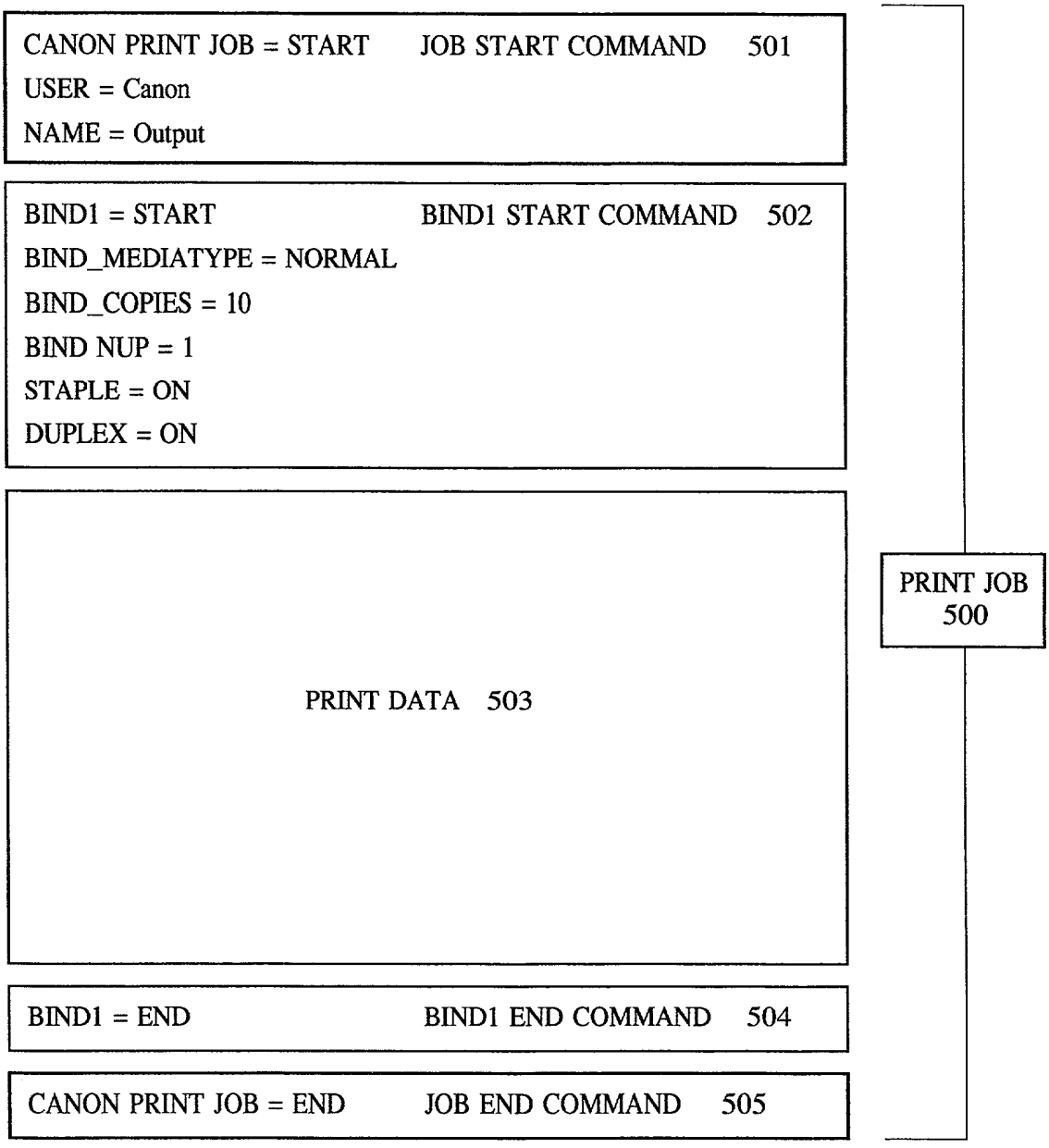

CANON PRINT JOB = START
JOB START COMMAND 501
USER = Canon
NAME = Output
BIND1 = START
BIND1 START COMMAND 502
BIND_MEDIATYPE = NORMAL
BIND_COPIES = 10
BIND NUP = 1
STAPLE = ON
DUPLEX = ON
PRINT DATA 503
BIND1 = END
BIND1 END COMMAND 504
CANON PRINT JOB = END
JOB END COMMAND 505
PRINT JOB
500

FIG. 6

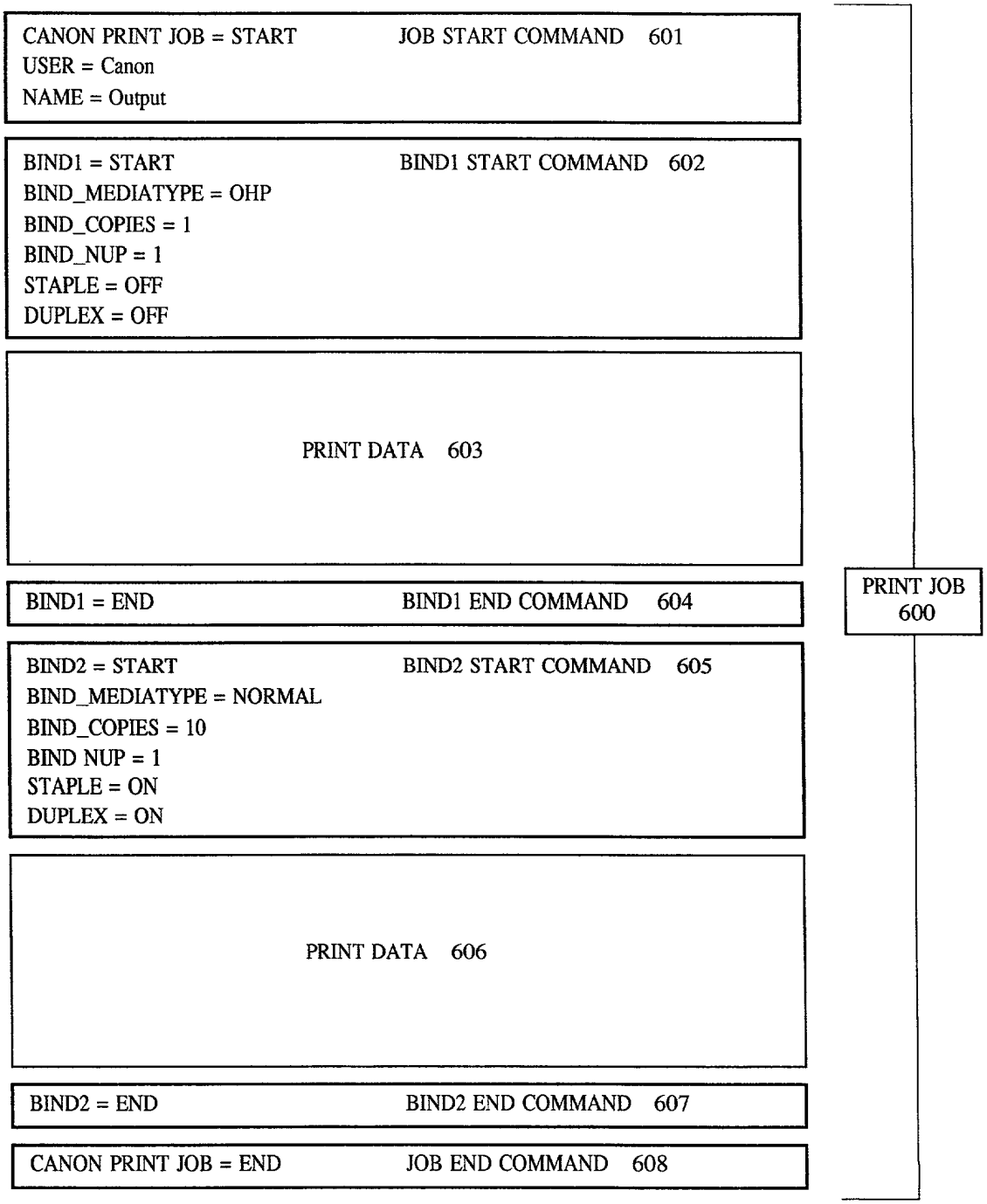

CANON PRINT JOB = START
USER = Canon
NAME = Output
JOB START COMMAND 601
BIND1 = START
BIND_MEDIATYPE = OHP
BIND_COPIES = 1
BIND_NUP = 1
STAPLE = OFF
DUPLEX = OFF
BIND1 START COMMAND 602
PRINT DATA 603
BIND1 = END
BIND1 END COMMAND 604
BIND2 = START
BIND_MEDIATYPE = NORMAL
BIND_COPIES = 10
BIND NUP = 1
STAPLE = ON
DUPLEX = ON
BIND2 START COMMAND 605
PRINT DATA 606
BIND2 = END
BIND2 END COMMAND 607
CANON PRINT JOB = END
JOB END COMMAND 608
PRINT JOB 600

FIG. 7

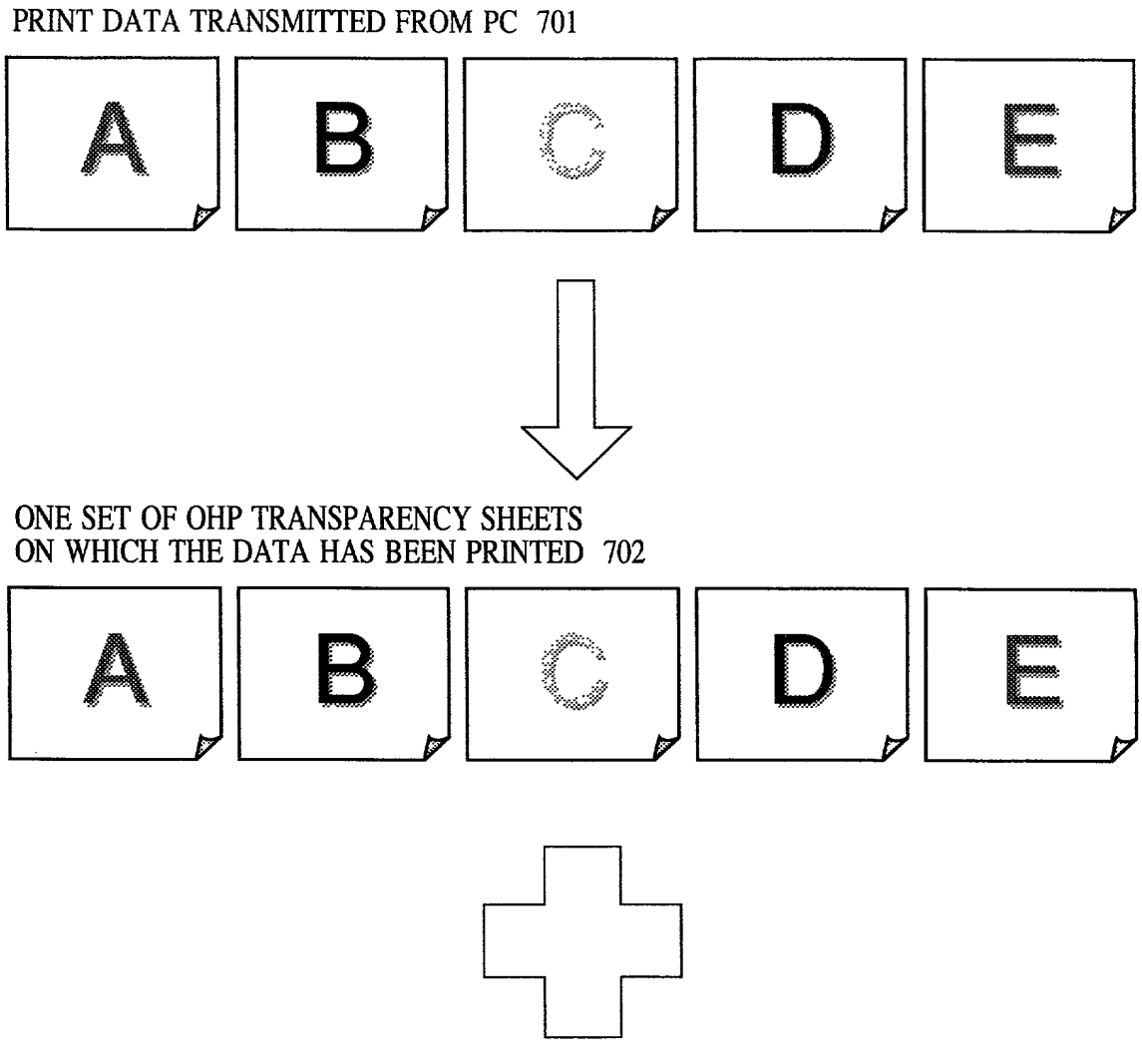

PRINT DATA TRANSMITTED FROM PC 701
A
B
C
D
E
ONE SET OF OHP TRANSPARENCY SHEETS
ON WHICH THE DATA HAS BEEN PRINTED 702
A
B
C
D
E
A SPECIFIED NUMBER OF SETS OF
PRINTED DOCUMENTS FOR DISTRIBUTION 703
A
X SPECIFIED
NUMBER OF SETS

FIG. 8

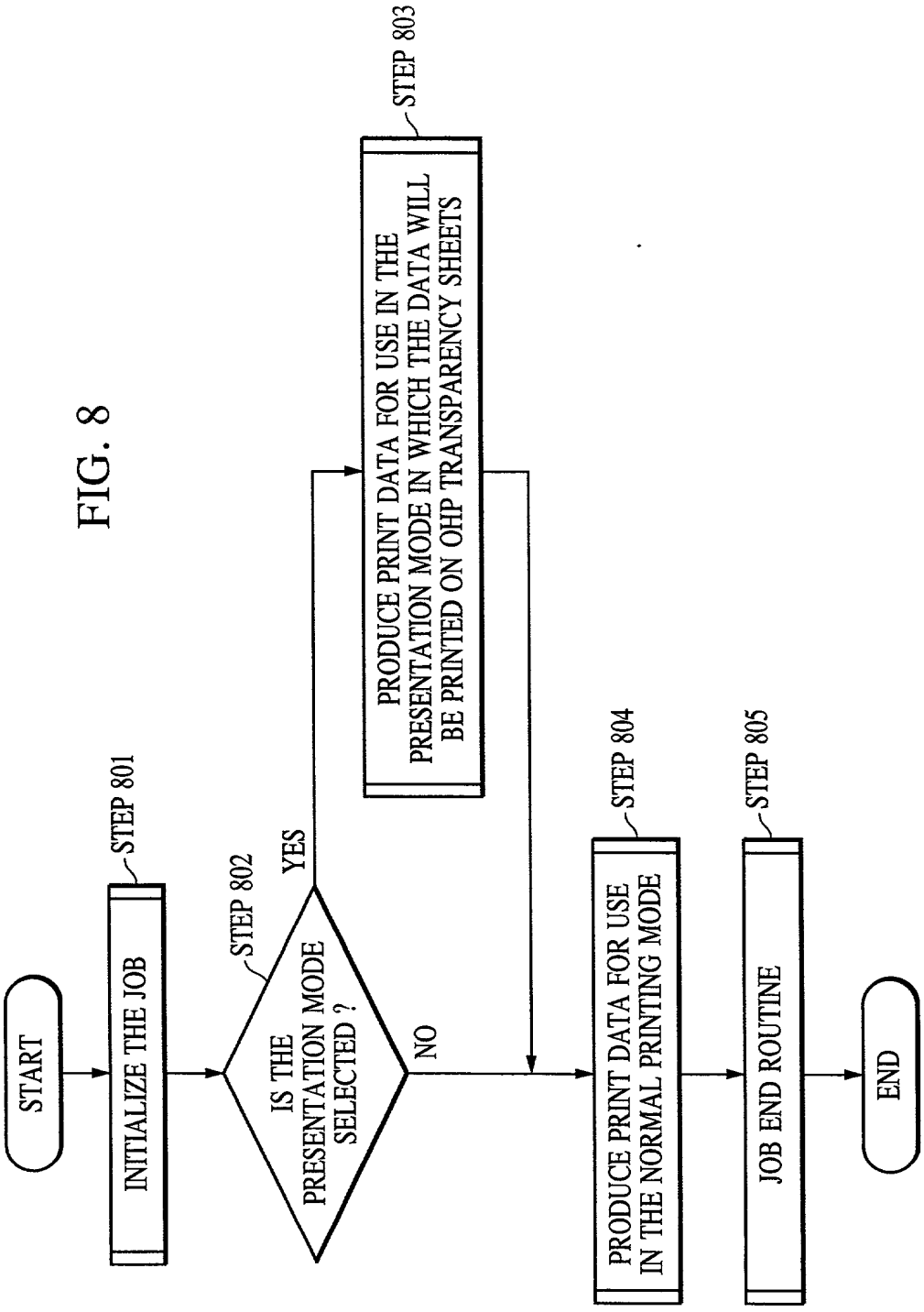

START
INITIALIZE THE JOB
STEP 801
IS THE PRESENTATION MODE SELECTED ?
STEP 802
YES
NO
PRODUCE PRINT DATA FOR USE IN THE PRESENTATION MODE IN WHICH THE DATA WILL BE PRINTED ON OHP TRANSPARENCY SHEETS
STEP 803
PRODUCE PRINT DATA FOR USE IN THE NORMAL PRINTING MODE
STEP 804
JOB END ROUTINE
STEP 805
END

FIG. 9

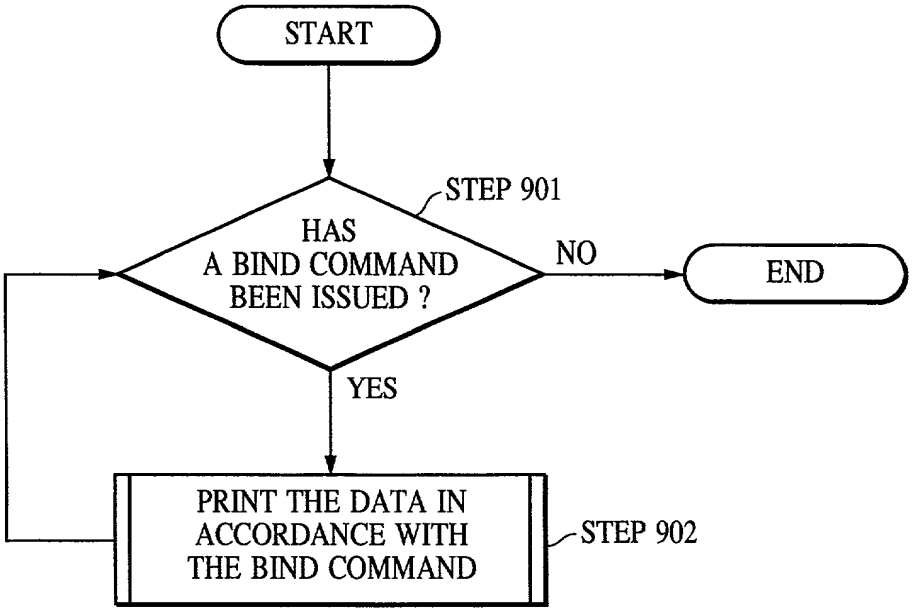
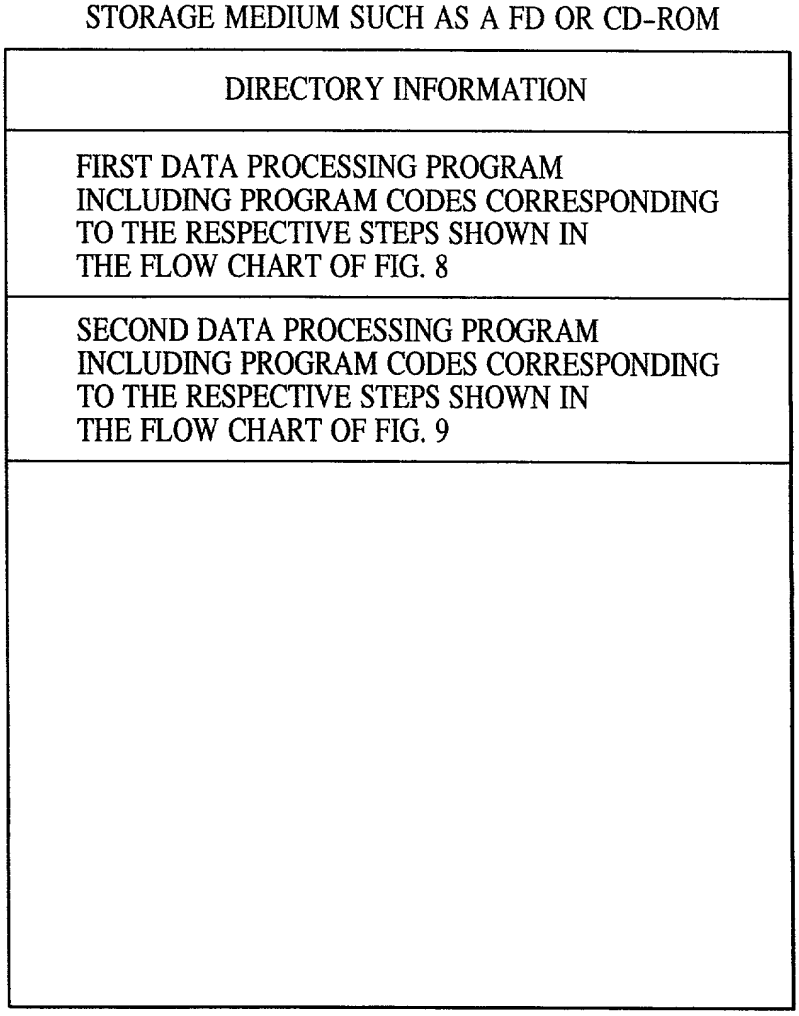

START
STEP 901
HAS
A BIND COMMAND
BEEN ISSUED ?
NO
END
YES
PRINT THE DATA IN
ACCORDANCE WITH
THE BIND COMMAND
STEP 902

FIG. 10



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